

Title (en)

Air-compressing, self-ignition internal combustion engine, with main combustion chamber and a pre-chamber situated in an insert in the cylinder head, bordering the main chamber.

Title (de)

Luftverdichtende Brennkraftmaschine mit Selbstzündung, mit einem Hauptbrennraum und einem an diesen angrenzenden und im Zylinderkopf untergebrachten Einsatzkörper mit Vorkammer.

Title (fr)

Moteur à combustion interne, à compression d'air, à auto-allumage, comprenant une chambre de combustion principale et une pré-chambre située dans une insertion dans la culasse, abordant la chambre principale.

Publication

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Application

**EP 91109522 A 19910611**

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Abstract (en)

[origin: EP0471933A1] The invention relates to an air-compressing internal combustion engine (1) with oblique injection into a pre-chamber (5, 6), the spherical combustion chamber (6) and burner (7) of which are arranged offset relative to one another, having a spherical impact head (10) which is provided in the lower half of the combustion chamber and between the centre of which and the longitudinal axis of the burner (7) the longitudinal axis (b) of the combustion chamber (6) extends, having a cup-shaped recess (12, 13) on the underside of the impact head (10), the said underside facing the inlet of the burner, and having a glow plug (13) arranged in the downward current of the airflow downstream of the injection nozzle (4).  
<IMAGE>

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IPC 8 full level

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